

a plurality of electrical contacts mounted on said body, including a first plurality of contacts for interaction with an external sensor and a second plurality of contacts for interaction with an external link.

- 5 2. A component according to claim 1, wherein said plurality of electrical contacts mate with a plurality of electrical pressure contacts located on said base socket.
3. A component according to claim 1, wherein said body forms together with said base socket a quick connector for quick electrical connection of said body to said socket.
4. A component according to claim 1, wherein said circuitry is designed to mount in an
10 industry standard connection head.
5. A component according to claim 1, wherein said circuitry is designed to interface with an industry standard sensor.
6. A component according to claim 1, wherein said circuitry is designed to interface with an industry standard link.
- 15 7. The component according to claim 1 wherein the base socket is comprised of:
 a body adapted to mount inside a standard connection head of an industrial sensing probe and be attached via standard connection means of said connection head;
 a plurality of terminals for attaching wires associated with said probe to said socket;
 a plurality of contacts, each associated with one of said wires; and
20 a mechanical lock adapted to engage and align a circuitry component such that said contacts align with contacts of said circuitry.
8. A component according to claim 1, wherein said display is on a same side of said body as at least some of said contacts.
- 25 9. A component according to claim 1, wherein said display is on an opposite side of said body from said contacts.
10. The component according to claim 1 further comprising a third plurality of contacts for interaction with an external programmer.

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